



SIM7100C



SIMCom presents an ultra compact and reliable wireless module SIM7100C which is based on Qualcomm MDM9215 multiple-mode LTE platform. SIM7100C is a complete multi-band TDD-LTE/FDD-LTE/TD-SCDMA/WCDMA/GSM/GNSS SMT type module designed with very powerful processors integrating application core: ARMv7 Cortex™ A5(1GHz), dual Telecom core (Up to 500Mhz), Cortex-M3 cores, allowing customer to benefit from small dimensions and cost-effective product solutions.

It has strong extension capability with rich interfaces including UART, USB2.0, SPI, I2C, Keypad, PCM, etc. With abundant application capabilities like TCP/UDP/FTP/FTPS/HTTP/HTTPS/SMTP/POP3 and MMS, the module provides much flexibility and ease of integration for customer's applications.

Smart Machine Smart Decision

General features

- Four-Band TDD-LTE B38/B39/B40/B41
- Tri-Band FDD-LTE B1/B3/B7
- Dual-Band TD-SCDMA B34/B39
- Dual-Band UMTS/HSDPA/HSPA+ B1/B5
- Tri-Band GSM/GPRS/EDGE 850/900/1800 MHz
- Control Via AT Commands
- Supply voltage range: 3.4V~ 4.2V
- Operation temperature: -40°C to +85°C
- Dimension: 30 X 30X 2.9 mm
- Weight: 5.7g
- GNSS gpsOne Gen 8B; standalone; assisted, XTRA;

Specifications for Data transfer

- TDD-LTE/FDD-LTE
 - Uplink up to 50Mbps,
 - Downlink up to 100Mbps
- TD-HSDPA/HSUPA
 - Uplink up to 2.2 Mbps,
 - Downlink up to 2.8 Mbps
- TD-SCDMA
 - Uplink up to 128Kbps,
 - Downlink up to 384Kbps
- HSPA+
 - Uplink up to 11 Mbps,
 - Downlink up to 42 Mbps
- UMTS
 - Uplink/Downlink up to 384Kbps
- EDGE Class:
 - Max. 236.8Kbps(DL), Max. 236.8Kbps(UL)
- GPRS
 - Max. 85.6Kbps(DL), Max. 85.6Kbps(UL)
- CSD
 - GSM data rate 14.4Kbps
 - WCDMA data rate 57.6Kbps
 - WCDMA 64kbps CSD for Video call

Other features

- USB Driver for Microsoft Windows 2000/XP/Vista/Win7/Win8
- USB Driver for Windows CE/Mobile
- USB Driver for Linux 2.6/Android
- USB Driver for MAC
- RIL supporting for Android/Windows CE/Mobile
- Automatic installation
- Linux API SDK
- Firmware update via USB
- TCP/IP/IPV4/V6 Multi-PDP, MT PDP
- FTP/FTPS/HTTP/HTTPS/SMTP/POP3/DNS
- Jamming detection support
- Gobi SDK to the Win7/Win8/Linux
- Source code of the PC manager of the device for reference

Interfaces

- USB2.0
- UART
- SIM card
- SPI
- I2C
- Keypad(5*5)
- Constant current sink
- GPIO
- RTC
- ADC
- PCM
- SDIO

More about SIMCom SIM7100C

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